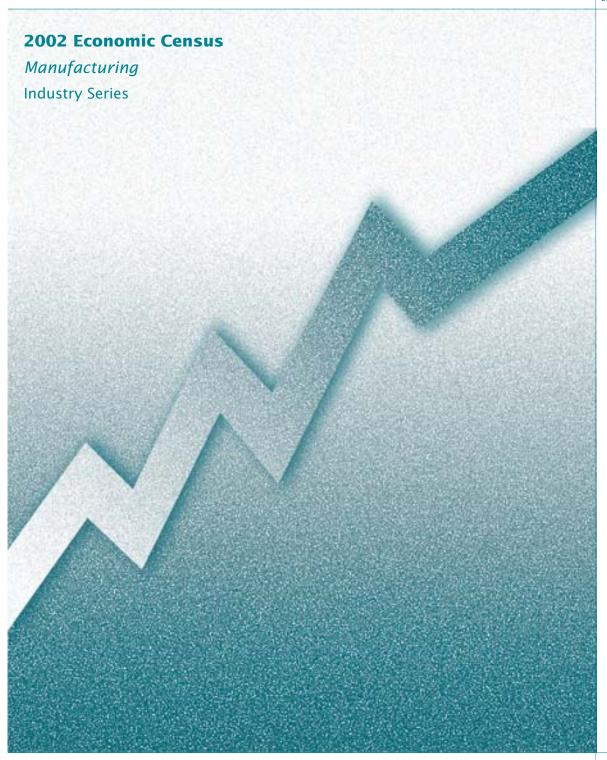
Concrete Pipe Manufacturing: 2002

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U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

	All		All employees		Production workers				Total	Total	Total capital
Industry and year ¹	Com- panies ²	estab- lish- ments ³	Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	shipments	expendi- tures (\$1,000)
327332, Concrete pipe manufacturing 2002	213 N N N N 264	403 N N N N 415	15 839 14 412 14 714 14 512 14 506 14 085	539 935 491 228 496 534 498 006 471 355 430 808	12 333 11 775 12 254 11 766 11 212 10 841	28 151 25 242 26 324 26 311 25 050 22 856	366 087 339 680 344 726 332 584 315 300 287 440	1 715 693 1 535 832 1 503 633 1 547 602 1 523 455 1 191 455	944 102 977 750 954 889	2 589 806 2 483 074 2 465 673 2 491 063 2 449 074 2 008 436	112 453 150 460 128 436 112 813 91 666 79 230

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

		All establishments ²		All employees		Production workers						
Industry and geographic area	E¹	Total	With 20 em- ploy- ees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
327332, Concrete pipe manufacturing												
United States. Arizona California Florida Illinois Indiana Maryland Massachusetts Michigan Missouri New York	2 - 1 - 1 - 3	403 7 32 25 22 12 6 7 13 11	266 5 20 17 14 5 6 2 11 7	15 839 367 1 249 903 787 301 340 118 658 447 173	539 935 13 344 48 788 27 445 34 113 11 761 11 649 4 885 23 338 16 835 7 354	12 333 319 972 729 521 217 273 92 522 307 137	28 151 701 2 241 1 749 1 362 584 663 221 1 120 670 581	366 087 10 602 32 113 19 996 19 986 7 091 8 175 3 658 15 763 8 561 5 152	1 715 693 47 892 151 443 107 191 88 624 39 975 41 295 12 165 79 232 30 116 20 760	880 583 21 300 98 163 54 048 52 874 20 160 17 041 5 600 45 967 23 073 10 398	2 589 806 69 535 245 955 160 005 140 457 59 621 60 211 17 969 125 271 53 479 31 135	112 453 3 749 11 225 2 921 7 163 1 669 484 1 307 4 189 2 311 1 705
Ohio Oklahoma Pennsylvania South Carolina Tennessee Texas Utah Washington Wisconsin	3 1 - - - 1 1	19 7 10 6 6 37 6 9 5	15 4 8 6 4 26 4 6 5	1 052 173 484 363 288 1 579 243 312 205	37 729 5 307 17 283 12 522 9 104 44 919 8 856 9 748 9 245	745 135 376 255 232 1 334 180 209 141	1 655 287 849 638 470 3 208 367 543 312	23 382 3 746 12 266 8 551 6 356 34 095 5 315 5 279 5 505	106 821 17 917 47 164 26 055 42 998 218 555 26 959 21 773 24 906	48 563 7 969 28 094 17 316 12 793 81 658 14 518 13 676 13 243	156 351 25 584 74 592 43 631 55 602 299 769 42 778 35 334 38 395	7 628 1 583 3 412 1 032 1 215 4 221 1 808 949 578

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

3number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
327332, Concrete pipe manufacturing	
Companies ¹ number	213
All establishments ²	403 137 244 22
All employees³ number Total compensation \$1,000 Annual payroll \$1,000 Total fringe benefits \$1,000	15 839 665 995 539 935 126 060
Production workers, average for year	12 333 12 012 12 552 12 694 11 994
Production worker hours	28 151 366 087
Total cost of materials \$1,000 Materials, parts, containers, packaging, etc., used \$1,000 Resales \$1,000 Purchased fuels \$1,000 Purchased electricity \$1,000 Contract work \$1,000	880 583 717 885 119 122 14 710 16 843 12 023
Quantity of electricity purchased for heat and power	246 525 —
Total value of shipments \$1,000 Primary products value of shipments \$1,000 Secondary products value of shipments \$1,000 Total miscellaneous receipts \$1,000 Value of resales \$1,000 Contract receipts \$1,000 Other miscellaneous receipts \$1,000 State of the contract receipts \$1,000 Other miscellaneous receipts \$1,000	2 589 806 2 237 842 198 672 153 292 144 453 1 681 7 158
Primary products specialization ratio percent. Value of primary products shipments made in all industries \$1,000. Value of primary products shipments made in this industry \$1,000. Value of primary products shipments made in other industry \$1,000.	92 2 347 652 2 237 842 109 810
Coverage ratiopercent	95
Value added\$1,000	1 715 693
Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	303 886 238 842 14 187 50 857
Total inventories, end of year \$1,000 Finished goods inventories \$1,000 Work-in-process inventories \$1,000 Materials and supplies inventories \$1,000	310 074 250 400 9 099 50 575
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000 Total capital expenditures (new and used) \$1,000 Buildings and other structures (new and used) \$1,000 Machinery and equipment (new and used) \$1,000 Automobiles, trucks, etc., for highway use \$1,000 Computers and peripheral data processing equipment \$1,000 All other expenditures for machinery and equipment \$1,000 Total retirements \$1,000 Gross value of depreciable assets at end of year \$1,000	1 387 619 112 453 26 951 85 502 9 763 3 924 71 815 49 122 1 450 950
Depreciation charges during year	89 254
Total rental payments \$1,000. Buildings and other structures \$1,000. Machinery and equipment \$1,000.	30 157 16 185 13 972
Total other expenses ⁴ \$1,000. Response coverage ratio ⁵ percent. Repair and maintenance services of buildings and/or machinery ⁴ \$1,000. Communications services ⁴ \$1,000. Legal services ⁴ \$1,000. Accounting, auditing, and bookkeeping services ⁴ \$1,000. Advertising and promotional services ⁴ \$1,000. Expensed computer hardware and supplies and purchased computer services ⁴ \$1,000. Refuse removal (including hazardous waste) services ⁴ \$1,000. Management consulting and administrative services ⁴ \$1,000. Taxes and license fees ⁴ \$1,000. All other expenses ⁴ \$1,000.	208 113 69 48 258 4 226 2 260 D 3 122 1 197 2 600 D 11 541

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class			All emp	oloyees	P	roduction worke	ers		Tatal	Tatal	Total capital expendi- tures (\$1,000)
		All estab- lish- ments ²	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	
327332, Concrete pipe manufacturing											
All establishments	7 5	403 32 36	15 839 77 248	539 935 2 436 8 550	12 333 59 194	28 151 122 456	366 087 1 643 6 001	1 715 693 7 267 28 769	880 583 3 450 13 472	2 589 806 11 190 42 716	112 453 913 D
10 to 19 employees 20 to 49 employees 50 to 99 employees 100 to 249 employees 250 to 499 employees	- - - 3	69 160 84 19 3	1 009 5 168 5 687 2 756 894	34 567 168 967 197 949 97 510 29 956	805 4 039 4 331 2 148 757	2 015 9 202 9 788 4 801 1 767	24 948 113 741 130 467 67 630 21 657	122 006 605 805 605 621 263 165 83 060	64 176 306 508 299 740 138 800 54 437	185 293 907 044 907 488 398 740 137 335	7 837 33 816 33 663 27 957 D
500 to 999 employees 1,000 to 2,499 employees 2,500 employees or more	=	=	- -	= =	_ _ _	=	_ _ _	- - -	- - -	=	- - -
Administrative records ⁴	9	49	378	13 172	315	711	9 553	38 845	21 183	60 028	3 511

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All	All em	ployees	Pr	oduction work	ers		Total	Total	Total
		All estab- lish- ments ¹	Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	capital expendi- tures (\$1,000)
327332	Concrete pipe manufacturing	403	15 839	539 935	12 333	28 151	366 087	1 715 693	880 583	2 589 806	112 453
3273320	Concrete pipe	403	15 839	539 935	12 333	28 151	366 087	1 715 693	880 583	2 589 806	112 453

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of	-	Product shipments		
Product code	Product	companies with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
327332	Concrete pipe manufacturing	N N	X	×	2 347 652 1 783 463	
3273320	Concrete pipe	N N	X	X X	2 347 652 1 783 463	
32733201	Concrete culvert pipe	N N N	x X	X X	409 437 259 522	
3273320111	Concrete reinforced culvert pipe, 36 inches or more	40	X	91 417.6	215 776	
3273320121	1997 Concrete reinforced culvert pipe, less than 36 inches	62 33	X	91 091.7	163 280 133 240	
3273320131	Concrete nonreinforced culvert pipe	41 11	X	91 021.1 X	83 958 60 421	
32733202	1997 Concrete storm sewer pipe	9 N	X	X	12 284 511 244	
3273320211	1997 Concrete reinforced storm sewer pipe, 36 inches or more	N 50	X	X	597 598 309 778	
3273320221	1997 Concrete reinforced storm sewer pipe, less than 36 inches	70 43	X	P2 668.6 S	290 449 193 482	
3273320231	Concrete nonreinforced storm sewer pipe	69 5	X	3 019.9 X	296 205 7 984	
32733203	Concrete pipe, except concrete culvert pipe and concrete storm sewer pipe	7 N	X X	X X	10 944 1 090 784	
3273320311	Concrete reinforced sanitary sewer pipe, 24 inches or	N	X	X	784 249	
	more	28 35	X	S 91 129.8	158 872 111 772	
3273320321	Concrete reinforced sanitary sewer pipe, less than 24 inches	17	×	s	51 253	
3273320331	11997 Concrete nonreinforced sanitary sewer pipe	16 4 6	X X X	P199.5 X X	18 245 3 470 3 546	
3273320341	Reinforced concrete pressure pipe	11 10	X X	X X	54 159 89 759	
3273320351	Prestressed concrete cylinder pressure pipe	8	x X	X X	140 336 61 428	
3273320361	Pretensioned concrete cylinder pipe and other pressure					
	pipe	5 5	X	X	74 478 102 455	
3273320371	Concrete irrigation pipe and drain tile	11 12	X	X X	35 721 13 838	
3273320381	Other concrete pipe (such as manholes and conduits)	115 161	X	X X	572 495 383 206	
3273320Y	Concrete pipe, nsk, total	N N	X	X	336 187 142 094	
3273320YWW	Concrete pipe, nsk, for nonadministrative-record establishments	N N	X	X	278 151 133 821	
3273320YWY	Concrete pipe, nsk, for administrative-record establishments	N N	X	X	58 036 8 273	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
327332	Concrete pipe manufacturing		
00900001	Total materials	X	717 885
32731005	1997 Portland and blended cements	X	658 058 199 107
32732000	Ready-mixed concrete	X X X	N 12 471 10 978
32700012	Other stone, clay, glass, and concrete products (excluding portland and blended cements and ready-mixed concrete)	X	6 346
21231003	Crushed and broken stone (including cement rock, limestone, etc.)	X	17 997
21232002	Sand and gravel. 1997 2002. 1997	X X X	14 791 82 711 N
21230007	Other mining and quarrying of nonmetallic minerals (excluding fuels)	X	11 116
33120053	Steel wire strand, bars, and rods, high strength, stress relieved	X	5 474 31 515
33120093	Welded steel wire concrete reinforcing mesh	X X X	40 507 70 499 86 722
33120009	Steel concrete reinforcing bars	x	36 537
33120055	Other steel shapes and forms (excluding castings, forgings, and fabricated metal products)	X	26 935 29 987
331000AJ	Nonferrous metal shapes and forms (excluding castings, forgings, and fabricated metal	X	21 230
	products)	X	2 352 19 624
00970099	All other materials and components, parts, containers, and supplies	X	99 291
00971000	Materials, ingredients, containers, and supplies, nsk	X X X	N 117 956 89 380

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.